



MISSISSIPPI DEPARTMENT of EMPLOYMENT SECURITY

Helping Mississippians Get Jobs

Occupational Employment and Wage Estimates

2013

Hattiesburg MSA

Created by the
Labor Market Information Department

*in cooperation with the
U. S. Bureau of Labor Statistics*

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Occupational Employment and Wage Estimates

2013

Hattiesburg MSA

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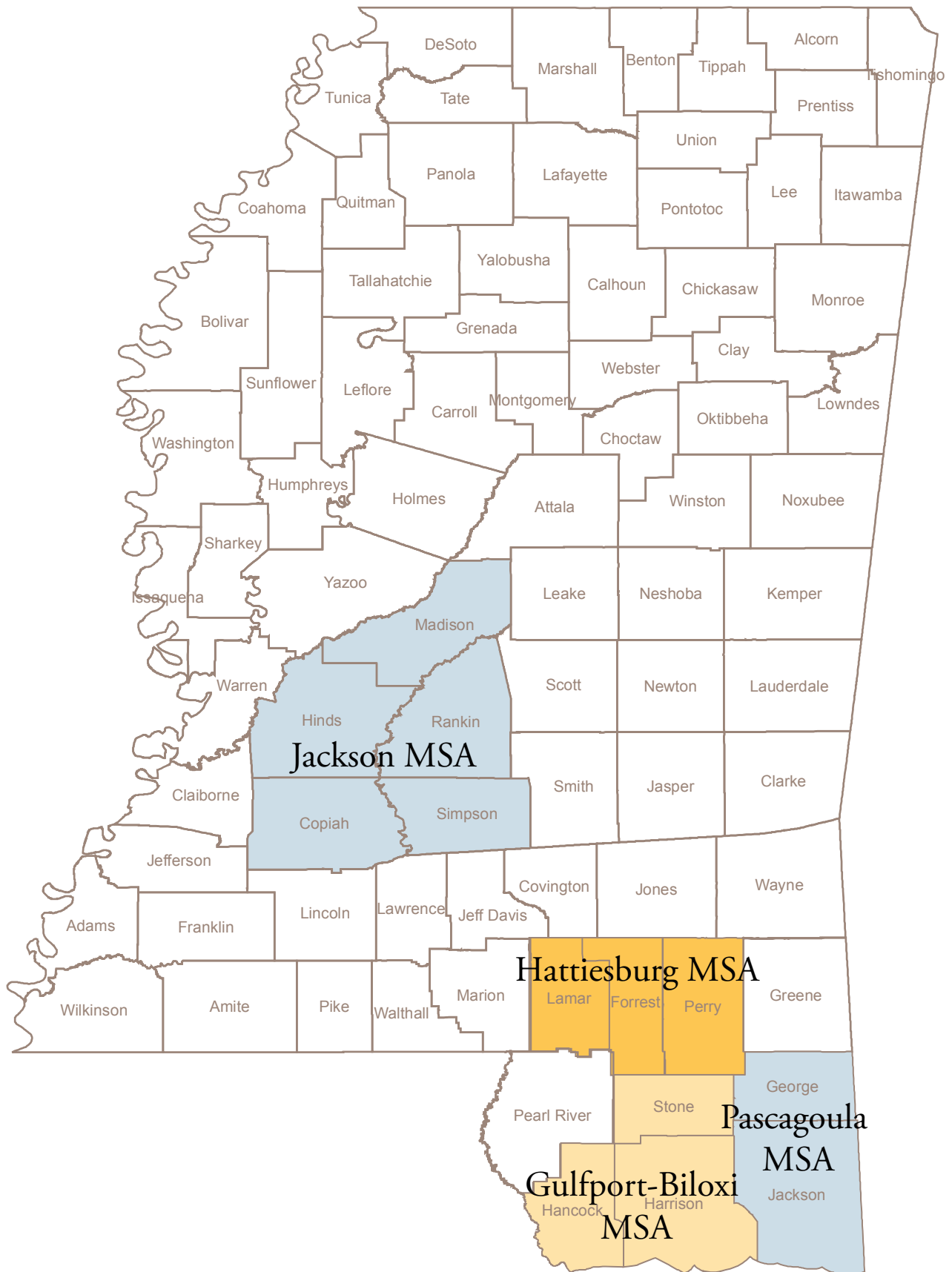
NOTE: The Hattiesburg Metropolitan Statistical Area represents the following counties:

Forrest, Lamar and Perry

Resources	Link
<i>Glossary</i>	BLS website
<i>Occupation Definitions</i>	BLS website

Map on following pages show counties included in the MSAs.

**This data is based on the survey panels collected
over a 3-year period ending with the May 2012 panel.**



SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
00-0000	Total All Occupations	56,700	\$16.42	\$34,160	\$8.31	\$17,290	\$20.48	\$42,590
11-0000	Management Occupations	2,260	\$36.73	\$76,390	\$19.68	\$40,940	\$45.25	\$94,120
11-1011	Chief Executives	40	\$72.52	\$150,840	\$28.26	\$58,770	\$94.65	\$196,870
11-1021	General and Operations Managers	790	\$44.97	\$93,530	\$24.19	\$50,310	\$55.36	\$115,140
11-1031	Legislators	70	N/A	\$25,400	N/A	\$16,840	N/A	\$29,680
11-2011	Advertising and Promotions Managers	20	\$27.53	\$57,250	\$18.70	\$38,900	\$31.94	\$66,430
11-2021	Marketing Managers	20	\$37.89	\$78,820	\$18.18	\$37,810	\$47.75	\$99,330
11-2022	Sales Managers	70	\$39.44	\$82,040	\$27.05	\$56,260	\$45.64	\$94,920
11-2031	Public Relations Managers	10	N/A	N/A	N/A	N/A	N/A	N/A
11-3011	Administrative Services Managers	110	\$25.28	\$52,590	\$17.36	\$36,100	\$29.24	\$60,830
11-3021	Computer and Information Systems Managers	40	\$36.04	\$74,970	\$25.82	\$53,710	\$41.15	\$85,590
11-3031	Financial Managers	110	\$31.49	\$65,500	\$22.07	\$45,910	\$36.20	\$75,300
11-3051	Industrial Production Managers	30	\$34.78	\$72,340	\$20.21	\$42,030	\$42.07	\$87,500
11-3061	Purchasing Managers	20	\$26.60	\$55,330	\$17.23	\$35,840	\$31.28	\$65,070
11-3071	Transportation, Storage, and Distribution Managers	30	\$26.63	\$55,400	\$19.27	\$40,080	\$30.31	\$63,050
11-3121	Human Resources Managers	20	\$29.45	\$61,250	\$18.52	\$38,510	\$34.91	\$72,620
11-3131	Training and Development Managers	10	\$26.26	\$54,630	\$20.71	\$43,080	\$29.04	\$60,400
11-9021	Construction Managers	120	\$36.11	\$75,100	\$20.89	\$43,450	\$43.72	\$90,930
11-9031	Education Administrators, Preschool and Child Care Center/Program	20	\$24.13	\$50,200	\$18.43	\$38,330	\$26.99	\$56,130
11-9032	Education Administrators, Elementary and Secondary School	120	N/A	\$72,440	N/A	\$61,010	N/A	\$78,150
11-9041	Engineering Managers	10	\$44.58	\$92,730	\$31.70	\$65,940	\$51.02	\$106,130
11-9051	Food Service Managers	90	\$23.43	\$48,740	\$16.99	\$35,340	\$26.66	\$55,440
11-9081	Lodging Managers	20	\$18.27	\$38,010	\$15.24	\$31,700	\$19.79	\$41,160
11-9111	Medical and Health Services Managers	190	\$31.83	\$66,210	\$21.05	\$43,780	\$37.23	\$77,430

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
11-9141	Property, Real Estate, and Community Association Managers	100	\$19.77	\$41,120	\$15.15	\$31,510	\$22.08	\$45,920
11-9151	Social and Community Service Managers	30	\$22.52	\$46,850	\$13.88	\$28,870	\$26.85	\$55,840
13-0000	Business and Financial Operations Occupations	1,300	\$24.47	\$50,890	\$14.83	\$30,840	\$29.28	\$60,910
13-1022	Wholesale and Retail Buyers, Except Farm Products	20	\$28.95	\$60,210	\$19.48	\$40,520	\$33.68	\$70,050
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	70	\$20.11	\$41,840	\$13.94	\$29,000	\$23.20	\$48,260
13-1031	Claims Adjusters, Examiners, and Investigators	60	\$27.41	\$57,020	\$22.00	\$45,750	\$30.12	\$62,650
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	150	\$21.94	\$45,640	\$16.95	\$35,250	\$24.44	\$50,830
13-1051	Cost Estimators	80	\$33.37	\$69,400	\$16.45	\$34,210	\$41.83	\$87,000
13-1071	Employment, Recruitment, and Placement Specialists	140	\$16.48	\$34,280	\$12.17	\$25,320	\$18.64	\$38,760
13-1111	Management Analysts	30	\$23.11	\$48,060	\$15.07	\$31,340	\$27.13	\$56,420
13-1141	Compensation, Benefits, and Job Analysis Specialists	20	\$18.46	\$38,390	\$14.54	\$30,250	\$20.41	\$42,450
13-1151	Training and Development Specialists	60	\$18.74	\$38,970	\$11.45	\$23,820	\$22.38	\$46,550
13-1161	Market Research Analysts	20	\$24.44	\$50,830	\$12.96	\$26,960	\$30.18	\$62,760
13-1199	Business Operations Specialists, All Other	160	\$28.49	\$59,260	\$20.03	\$41,660	\$32.72	\$68,060
13-2011	Accountants and Auditors	180	\$26.90	\$55,940	\$18.04	\$37,530	\$31.32	\$65,150
13-2021	Appraisers and Assessors of Real Estate	40	\$19.03	\$39,580	\$10.23	\$21,270	\$23.43	\$48,730
13-2041	Credit Analysts	20	\$26.46	\$55,030	\$19.72	\$41,020	\$29.83	\$62,040
13-2051	Financial Analysts	20	\$24.82	\$51,620	\$18.06	\$37,560	\$28.20	\$58,650
13-2072	Loan Officers	140	\$28.34	\$58,940	\$19.26	\$40,060	\$32.87	\$68,370
13-2081	Tax Examiners, Collectors, and Revenue Agents	30	\$24.17	\$50,270	\$11.70	\$24,330	\$30.40	\$63,240
15-0000	Computer and Mathematical Occupations	520	\$26.65	\$55,420	\$13.80	\$28,700	\$33.07	\$68,780
15-1122	Information Security Analysts	20	\$29.18	\$60,690	\$23.66	\$49,220	\$31.94	\$66,430
15-1131	Computer Programmers	80	\$24.13	\$50,180	\$14.65	\$30,460	\$28.87	\$60,040
15-1132	Computer Software Engineers, Applications	10	\$29.04	\$60,390	\$21.30	\$44,300	\$32.90	\$68,440

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
15-1133	Computer Software Engineers, Systems Software	20	\$38.96	\$81,030	\$35.01	\$72,830	\$40.93	\$85,130
15-1141	Database Administrators	20	\$22.71	\$47,240	\$16.19	\$33,670	\$25.98	\$54,030
15-1142	Network and Computer Systems Administrators	60	\$31.24	\$64,980	\$19.38	\$40,320	\$37.17	\$77,310
15-1151	Computer Support Specialists	150	\$15.91	\$33,090	\$11.52	\$23,970	\$18.10	\$37,650
15-1152	Computer Network Support Specialists	30	\$21.80	\$45,340	\$16.08	\$33,460	\$24.66	\$51,280
17-0000	Architecture and Engineering Occupations	400	\$26.27	\$54,650	\$13.46	\$28,000	\$32.68	\$67,970
17-1011	Architects, Except Landscape and Naval	20	\$22.67	\$47,160	\$16.76	\$34,850	\$25.63	\$53,310
17-1022	Surveyors	20	\$18.74	\$38,980	\$15.35	\$31,940	\$20.44	\$42,510
17-2051	Civil Engineers	40	\$31.57	\$65,670	\$23.87	\$49,640	\$35.42	\$73,680
17-2081	Environmental Engineers	N/A	\$42.24	\$87,860	\$25.76	\$53,580	\$50.48	\$105,000
17-2171	Petroleum Engineers	N/A	\$40.59	\$84,420	\$36.65	\$76,220	\$42.56	\$88,520
17-3022	Civil Engineering Technicians	60	\$14.91	\$31,010	\$11.57	\$24,060	\$16.58	\$34,490
17-3023	Electrical and Electronic Engineering Technicians	10	\$27.08	\$56,320	\$21.91	\$45,560	\$29.67	\$61,700
17-3026	Industrial Engineering Technicians	10	\$22.23	\$46,240	\$15.31	\$31,850	\$25.69	\$53,430
17-3029	Engineering Technicians, Except Drafters, All Other	10	\$20.34	\$42,300	\$12.57	\$26,150	\$24.22	\$50,380
17-3031	Surveying and Mapping Technicians	50	\$15.19	\$31,590	\$11.98	\$24,920	\$16.79	\$34,930
19-0000	Life, Physical, and Social Science Occupations	230	\$25.07	\$52,140	\$13.62	\$28,330	\$30.79	\$64,040
19-1031	Conservation Scientists	10	\$26.27	\$54,650	\$19.62	\$40,800	\$29.60	\$61,570
19-2031	Chemists	10	\$35.97	\$74,820	\$28.07	\$58,380	\$39.92	\$83,040
19-3031	Clinical, Counseling, and School Psychologists	40	\$28.46	\$59,190	\$18.21	\$37,880	\$33.58	\$69,850
19-4031	Chemical Technicians	40	\$17.30	\$35,990	\$11.30	\$23,510	\$20.30	\$42,220
19-4093	Forest and Conservation Technicians	10	\$21.34	\$44,400	\$15.28	\$31,790	\$24.38	\$50,700
21-0000	Community and Social Services Occupations	N/A	\$16.01	\$33,300	\$10.86	\$22,580	\$18.58	\$38,650
21-1012	Educational, Vocational, and School Counselors	130	\$14.74	\$30,670	\$8.04	\$16,710	\$18.10	\$37,640

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
21-1015	Rehabilitation Counselors	20	\$15.64	\$32,530	\$11.96	\$24,870	\$17.48	\$36,360
21-1021	Child, Family, and School Social Workers	200	\$15.99	\$33,260	\$12.60	\$26,210	\$17.68	\$36,780
21-1091	Health Educators	30	\$23.00	\$47,850	\$15.96	\$33,190	\$26.53	\$55,180
21-1093	Social and Human Service Assistants	60	\$15.37	\$31,970	\$11.39	\$23,700	\$17.36	\$36,110
21-1094	Community Health Workers	20	\$15.74	\$32,750	\$8.21	\$17,080	\$19.51	\$40,580
21-2011	Clergy	20	\$15.96	\$33,200	\$12.40	\$25,780	\$17.74	\$36,900
23-0000	Legal Occupations	350	\$28.85	\$60,000	\$15.34	\$31,910	\$35.60	\$74,050
23-1011	Lawyers	160	\$37.80	\$78,620	\$22.36	\$46,500	\$45.52	\$94,690
23-1012	Judicial Law Clerks	N/A	\$13.60	\$28,300	\$8.31	\$17,280	\$16.25	\$33,810
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	10	\$54.80	\$113,970	\$19.55	\$40,660	\$72.42	\$150,630
23-1023	Judges, Magistrate Judges, and Magistrates	10	\$17.69	\$36,790	\$12.13	\$25,240	\$20.46	\$42,560
23-2011	Paralegals and Legal Assistants	N/A	\$19.91	\$41,400	\$15.37	\$31,960	\$22.18	\$46,120
25-0000	Education, Training, and Library Occupations	4,220	\$18.26	\$37,990	\$9.79	\$20,360	\$22.50	\$46,800
25-1194	Vocational Education Teachers, Postsecondary	210	\$15.30	\$31,820	\$11.88	\$24,710	\$17.01	\$35,380
25-2011	Preschool Teachers, Except Special Education	N/A	\$9.22	\$19,190	\$8.04	\$16,720	\$9.82	\$20,420
25-2012	Kindergarten Teachers, Except Special Education	30	N/A	\$40,890	N/A	\$34,450	N/A	\$44,110
25-2021	Elementary School Teachers, Except Special Education	730	N/A	\$40,160	N/A	\$33,420	N/A	\$43,530
25-2022	Middle School Teachers, Except Special and Vocational Education	320	N/A	\$45,040	N/A	\$34,420	N/A	\$50,350
25-2031	Secondary School Teachers, Except Special and Vocational Education	580	N/A	\$42,270	N/A	\$32,850	N/A	\$46,980
25-2052	Special Education Teachers, Kindergarten, and Elementary School	50	N/A	\$44,350	N/A	\$34,520	N/A	\$49,260
25-2053	Special Education Teachers, Middle School	20	N/A	\$41,570	N/A	\$34,350	N/A	\$45,180
25-2054	Special Education Teachers, Secondary School	30	N/A	\$42,690	N/A	\$34,520	N/A	\$46,770
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	N/A	\$17.04	\$35,450	\$16.70	\$34,730	\$17.21	\$35,810
25-3098	Substitute teachers	300	\$8.49	\$17,650	\$7.98	\$16,590	\$8.74	\$18,180

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
25-4021	Librarians	70	\$21.77	\$45,290	\$16.41	\$34,130	\$24.45	\$50,870
25-4031	Library Technicians	90	\$11.79	\$24,530	\$8.05	\$16,740	\$13.67	\$28,430
25-9031	Instructional Coordinators	30	\$29.32	\$60,990	\$18.33	\$38,120	\$34.82	\$72,430
25-9041	Teacher Assistants	460	N/A	\$17,230	N/A	\$16,850	N/A	\$17,410
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	350	\$18.94	\$39,390	\$11.08	\$23,040	\$22.87	\$47,570
27-1023	Floral Designers	N/A	\$11.31	\$23,530	\$10.67	\$22,190	\$11.64	\$24,210
27-1024	Graphic Designers	40	\$16.27	\$33,840	\$12.47	\$25,940	\$18.17	\$37,790
27-1026	Merchandise Displayers and Window Trimmers	10	\$14.24	\$29,620	\$10.31	\$21,450	\$16.20	\$33,700
27-2022	Coaches and Scouts	110	N/A	\$52,800	N/A	\$26,530	N/A	\$65,940
27-2041	Music Directors and Composers	10	\$21.85	\$45,450	\$20.67	\$42,990	\$22.45	\$46,690
27-3031	Public Relations Specialists	50	\$18.01	\$37,460	\$14.01	\$29,140	\$20.01	\$41,630
27-3043	Writers and Authors	N/A	\$23.32	\$48,510	\$21.10	\$43,890	\$24.43	\$50,820
27-4021	Photographers	20	\$12.29	\$25,560	\$9.07	\$18,860	\$13.90	\$28,910
29-0000	Healthcare Practitioners and Technical Occupations	5,300	\$30.10	\$62,600	\$13.68	\$28,450	\$38.31	\$79,680
29-1031	Dietitians and Nutritionists	50	\$22.97	\$47,770	\$20.16	\$41,930	\$24.37	\$50,690
29-1041	Optometrists	10	\$52.48	\$109,160	\$37.12	\$77,200	\$60.16	\$125,140
29-1051	Pharmacists	170	\$51.21	\$106,510	\$42.81	\$89,050	\$55.41	\$115,240
29-1062	Family and General Practitioners	90	\$90.51	\$188,250	\$45.36	\$94,350	\$113.08	\$235,210
29-1071	Physician Assistants	N/A	\$23.77	\$49,440	\$16.74	\$34,820	\$27.28	\$56,750
29-1122	Occupational Therapists	40	\$30.61	\$63,660	\$21.67	\$45,060	\$35.08	\$72,960
29-1123	Physical Therapists	110	\$35.81	\$74,490	\$25.70	\$53,460	\$40.87	\$85,010
29-1126	Respiratory Therapists	90	\$22.11	\$45,980	\$20.11	\$41,830	\$23.11	\$48,060
29-1127	Speech-Language Pathologists	90	\$30.20	\$62,820	\$23.65	\$49,180	\$33.48	\$69,630
29-1131	Veterinarians	40	\$37.70	\$78,410	\$32.09	\$66,740	\$40.50	\$84,250

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
29-1141	Registered Nurses	1,970	\$26.90	\$55,960	\$21.94	\$45,620	\$29.39	\$61,120
29-1171	Nurse Practitioners	140	\$44.78	\$93,140	\$28.38	\$59,040	\$52.97	\$110,180
29-1181	Audiologists	10	\$28.52	\$59,320	\$21.28	\$44,260	\$32.14	\$66,850
29-2011	Medical and Clinical Laboratory Technologists	100	\$20.38	\$42,390	\$15.47	\$32,180	\$22.83	\$47,490
29-2012	Medical and Clinical Laboratory Technicians	190	\$14.76	\$30,690	\$8.93	\$18,560	\$17.67	\$36,750
29-2021	Dental Hygienists	120	\$23.64	\$49,170	\$20.14	\$41,890	\$25.39	\$52,810
29-2032	Diagnostic Medical Sonographers	40	\$26.86	\$55,860	\$22.36	\$46,510	\$29.10	\$60,530
29-2034	Radiologic Technologists and Technicians	140	\$21.20	\$44,090	\$16.92	\$35,200	\$23.34	\$48,540
29-2035	Magnetic Resonance Imaging Technologists	20	\$24.27	\$50,490	\$16.36	\$34,030	\$28.23	\$58,720
29-2052	Pharmacy Technicians	230	\$12.71	\$26,440	\$9.93	\$20,660	\$14.10	\$29,330
29-2055	Surgical Technologists	120	\$15.31	\$31,840	\$12.53	\$26,070	\$16.70	\$34,730
29-2056	Veterinary Technologists and Technicians	40	\$12.76	\$26,550	\$8.73	\$18,150	\$14.78	\$30,750
29-2057	Ophthalmic Medical Technicians	80	\$15.02	\$31,240	\$11.61	\$24,150	\$16.72	\$34,780
29-2061	Licensed Practical and Licensed Vocational Nurses	590	\$15.56	\$32,370	\$12.84	\$26,700	\$16.93	\$35,210
29-2071	Medical Records and Health Information Technicians	100	\$13.32	\$27,710	\$9.74	\$20,260	\$15.11	\$31,430
29-2081	Opticians, Dispensing	50	\$14.57	\$30,300	\$10.77	\$22,410	\$16.47	\$34,250
31-0000	Healthcare Support Occupations	1,900	\$10.54	\$21,930	\$8.08	\$16,810	\$11.78	\$24,490
31-1011	Home Health Aides	240	\$8.89	\$18,500	\$8.14	\$16,920	\$9.27	\$19,280
31-1014	Nursing Assistants	870	\$9.45	\$19,650	\$8.07	\$16,790	\$10.14	\$21,080
31-2011	Occupational Therapist Assistants	10	\$20.28	\$42,190	\$19.74	\$41,060	\$20.56	\$42,760
31-2021	Physical Therapist Assistants	30	\$17.64	\$36,690	\$13.32	\$27,710	\$19.80	\$41,190
31-2022	Physical Therapist Aides	N/A	\$8.28	\$17,220	\$8.06	\$16,750	\$8.39	\$17,460
31-9091	Dental Assistants	130	\$13.34	\$27,740	\$12.65	\$26,300	\$13.68	\$28,460
31-9092	Medical Assistants	140	\$12.37	\$25,730	\$9.61	\$19,980	\$13.75	\$28,610

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
31-9093	Medical Equipment Preparers	30	\$10.49	\$21,820	\$8.01	\$16,670	\$11.73	\$24,390
31-9094	Medical Transcriptionists	160	\$13.63	\$28,360	\$11.90	\$24,740	\$14.50	\$30,160
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	70	\$9.00	\$18,730	\$8.05	\$16,750	\$9.48	\$19,720
31-9097	Phlebotomists	50	\$10.80	\$22,460	\$8.78	\$18,260	\$11.81	\$24,570
33-0000	Protective Service Occupations	1,090	\$14.82	\$30,830	\$9.62	\$20,010	\$17.42	\$36,240
33-1012	First-Line Supervisors/Managers of Police and Detectives	60	N/A	N/A	N/A	N/A	N/A	N/A
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	50	\$17.51	\$36,420	\$16.37	\$34,050	\$18.08	\$37,610
33-3012	Correctional Officers and Jailers	90	\$13.80	\$28,700	\$11.96	\$24,870	\$14.72	\$30,620
33-3021	Detectives and Criminal Investigators	50	\$26.03	\$54,140	\$16.47	\$34,250	\$30.81	\$64,080
33-3051	Police and Sheriff's Patrol Officers	340	\$14.66	\$30,480	\$10.53	\$21,910	\$16.72	\$34,770
33-9021	Private Detectives and Investigators	10	\$16.69	\$34,710	\$9.49	\$19,750	\$20.28	\$42,190
33-9032	Security Guards	220	\$11.98	\$24,910	\$8.14	\$16,940	\$13.90	\$28,900
33-9091	Crossing Guards	20	\$8.10	\$16,850	\$8.09	\$16,820	\$8.11	\$16,870
35-0000	Food Preparation and Serving-Related Occupations	6,570	\$9.21	\$19,160	\$8.06	\$16,760	\$9.79	\$20,350
35-1011	Chefs and Head Cooks	N/A	\$24.68	\$51,340	\$14.95	\$31,090	\$29.55	\$61,460
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	590	\$13.88	\$28,860	\$10.09	\$21,000	\$15.77	\$32,790
35-2011	Cooks, Fast Food	560	\$8.29	\$17,240	\$8.06	\$16,770	\$8.40	\$17,480
35-2012	Cooks, Institution and Cafeteria	370	\$10.02	\$20,850	\$8.04	\$16,730	\$11.01	\$22,910
35-2014	Cooks, Restaurant	590	\$9.09	\$18,910	\$8.08	\$16,800	\$9.60	\$19,960
35-2015	Cooks, Short Order	200	\$8.40	\$17,480	\$8.05	\$16,740	\$8.58	\$17,850
35-2019	Cooks, All Other	30	\$8.31	\$17,280	\$8.11	\$16,870	\$8.41	\$17,480
35-2021	Food Preparation Workers	1,170	\$8.93	\$18,570	\$8.10	\$16,840	\$9.35	\$19,440
35-3011	Bartenders	110	\$8.53	\$17,740	\$8.02	\$16,680	\$8.79	\$18,280
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	600	\$8.17	\$17,000	\$8.06	\$16,770	\$8.23	\$17,110

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	340	\$8.08	\$16,810	\$8.00	\$16,650	\$8.12	\$16,900
35-3031	Waiters and Waitresses	1,240	\$8.37	\$17,400	\$8.06	\$16,760	\$8.52	\$17,720
35-3041	Food Servers, Nonrestaurant	280	\$8.50	\$17,680	\$8.09	\$16,820	\$8.71	\$18,110
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	100	\$8.03	\$16,690	\$8.01	\$16,670	\$8.03	\$16,710
35-9021	Dishwashers	150	\$8.44	\$17,560	\$8.06	\$16,760	\$8.64	\$17,970
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	170	\$8.33	\$17,320	\$8.01	\$16,660	\$8.48	\$17,650
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1,500	\$10.07	\$20,950	\$8.08	\$16,810	\$11.07	\$23,020
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	70	\$14.46	\$30,080	\$9.33	\$19,400	\$17.03	\$35,420
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	50	\$16.86	\$35,060	\$12.66	\$26,330	\$18.96	\$39,430
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	720	\$9.15	\$19,040	\$8.09	\$16,820	\$9.68	\$20,140
37-2012	Maids and Housekeeping Cleaners	280	\$8.91	\$18,530	\$8.06	\$16,760	\$9.33	\$19,410
37-3011	Landscaping and Groundskeeping Workers	280	\$11.01	\$22,900	\$8.37	\$17,420	\$12.33	\$25,640
39-0000	Personal Care and Service Occupations	1,270	\$9.86	\$20,510	\$8.07	\$16,780	\$10.76	\$22,380
39-2021	Nonfarm Animal Caretakers	50	\$9.75	\$20,270	\$8.07	\$16,790	\$10.58	\$22,010
39-3091	Amusement and Recreation Attendants	40	\$9.53	\$19,820	\$8.04	\$16,720	\$10.28	\$21,370
39-4021	Funeral Attendants	N/A	\$9.10	\$18,920	\$8.01	\$16,660	\$9.64	\$20,050
39-5012	Hairdressers, Hairstylists, and Cosmetologists	100	\$11.22	\$23,330	\$8.01	\$16,670	\$12.82	\$26,660
39-9011	Child Care Workers	410	\$9.25	\$19,230	\$8.00	\$16,630	\$9.87	\$20,530
39-9021	Personal and Home Care Aides	100	\$8.14	\$16,930	\$8.06	\$16,770	\$8.18	\$17,010
39-9031	Fitness Trainers and Aerobics Instructors	90	\$10.82	\$22,500	\$8.17	\$17,000	\$12.14	\$25,240
39-9032	Recreation Workers	150	\$11.45	\$23,810	\$8.10	\$16,840	\$13.12	\$27,300
41-0000	Sales and Related Occupations	7,550	\$12.45	\$25,910	\$8.16	\$16,960	\$14.60	\$30,380
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	1,000	\$19.21	\$39,960	\$12.07	\$25,100	\$22.78	\$47,390
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	40	\$24.66	\$51,280	\$16.07	\$33,420	\$28.95	\$60,210

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
41-2011	Cashiers	2,530	\$8.74	\$18,170	\$8.17	\$16,990	\$9.02	\$18,760
41-2021	Counter and Rental Clerks	120	\$11.17	\$23,240	\$8.11	\$16,860	\$12.70	\$26,420
41-2022	Parts Salespersons	100	\$15.21	\$31,640	\$8.47	\$17,610	\$18.59	\$38,660
41-2031	Retail Salespersons	2,810	\$10.69	\$22,240	\$8.13	\$16,910	\$11.98	\$24,910
41-3011	Advertising Sales Agents	30	\$13.09	\$27,230	\$8.97	\$18,660	\$15.15	\$31,510
41-3021	Insurance Sales Agents	150	\$18.62	\$38,730	\$11.39	\$23,690	\$22.24	\$46,260
41-3099	Sales Representatives, Services, All Other	20	\$22.76	\$47,340	\$14.35	\$29,850	\$26.97	\$56,090
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	20	\$23.67	\$49,240	\$14.17	\$29,470	\$28.43	\$59,130
41-4012	Manufacturing, Except Technical and Scientific Products	470	\$22.00	\$45,760	\$12.17	\$25,310	\$26.92	\$55,990
41-9022	Real Estate Sales Agents	60	\$14.60	\$30,370	\$8.21	\$17,080	\$17.80	\$37,020
41-9041	Telemarketers	N/A	\$11.85	\$24,660	\$10.54	\$21,930	\$12.51	\$26,020
41-9099	Sales and Related Workers, All Other	50	\$13.08	\$27,210	\$8.60	\$17,880	\$15.33	\$31,880
43-0000	Office and Administrative Support Occupations	9,690	\$13.37	\$27,820	\$9.03	\$18,780	\$15.55	\$32,340
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	610	\$22.64	\$47,090	\$14.97	\$31,130	\$26.48	\$55,080
43-2011	Switchboard Operators, Including Answering Service	90	\$10.07	\$20,950	\$8.10	\$16,840	\$11.06	\$23,010
43-3011	Bill and Account Collectors	250	\$12.98	\$27,000	\$10.38	\$21,590	\$14.28	\$29,710
43-3021	Billing and Posting Clerks and Machine Operators	360	\$12.95	\$26,940	\$9.50	\$19,750	\$14.68	\$30,540
43-3031	Bookkeeping, Accounting, and Auditing Clerks	890	\$15.17	\$31,560	\$10.79	\$22,440	\$17.36	\$36,110
43-3051	Payroll and Timekeeping Clerks	90	\$15.31	\$31,840	\$12.13	\$25,220	\$16.90	\$35,150
43-3061	Procurement Clerks	20	\$15.99	\$33,270	\$10.47	\$21,780	\$18.75	\$39,010
43-3071	Tellers	360	\$10.88	\$22,640	\$8.93	\$18,560	\$11.86	\$24,680
43-4031	Court, Municipal, and License Clerks	N/A	\$13.35	\$27,760	\$9.05	\$18,820	\$15.50	\$32,240
43-4041	Credit Authorizers, Checkers, and Clerks	N/A	\$13.46	\$27,990	\$9.67	\$20,100	\$15.35	\$31,930
43-4051	Customer Service Representatives	1,090	\$11.94	\$24,840	\$9.71	\$20,190	\$13.06	\$27,170

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
43-4061	Eligibility Interviewers, Government Programs	50	\$15.66	\$32,570	\$12.65	\$26,320	\$17.16	\$35,690
43-4071	File Clerks	80	\$9.15	\$19,040	\$8.20	\$17,060	\$9.63	\$20,030
43-4081	Hotel, Motel, and Resort Desk Clerks	140	\$8.36	\$17,380	\$8.09	\$16,820	\$8.49	\$17,670
43-4111	Interviewers, Except Eligibility and Loan	240	\$13.49	\$28,060	\$11.02	\$22,920	\$14.72	\$30,620
43-4121	Library Assistants, Clerical	20	N/A	N/A	N/A	N/A	N/A	N/A
43-4131	Loan Interviewers and Clerks	90	\$15.46	\$32,150	\$12.47	\$25,930	\$16.95	\$35,260
43-4141	New Accounts Clerks	N/A	\$15.01	\$31,220	\$12.68	\$26,360	\$16.18	\$33,640
43-4151	Order Clerks	30	\$12.44	\$25,860	\$8.13	\$16,910	\$14.59	\$30,340
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	70	\$15.96	\$33,200	\$12.26	\$25,510	\$17.81	\$37,040
43-4171	Receptionists and Information Clerks	590	\$10.47	\$21,780	\$8.84	\$18,390	\$11.29	\$23,470
43-4199	Information and Record Clerks, All Other	20	\$19.73	\$41,040	\$14.56	\$30,290	\$22.31	\$46,410
43-5021	Couriers and Messengers	30	\$9.45	\$19,650	\$8.10	\$16,850	\$10.12	\$21,050
43-5031	Police, Fire, and Ambulance Dispatchers	80	\$10.87	\$22,610	\$8.44	\$17,560	\$12.08	\$25,130
43-5032	Dispatchers, Except Police, Fire, and Ambulance	50	\$14.75	\$30,670	\$10.37	\$21,580	\$16.93	\$35,220
43-5041	Meter Readers, Utilities	30	\$14.96	\$31,110	\$8.22	\$17,100	\$18.32	\$38,120
43-5051	Postal Service Clerks	30	\$22.32	\$46,420	\$15.70	\$32,650	\$25.63	\$53,300
43-5052	Postal Service Mail Carriers	150	\$24.33	\$50,600	\$18.92	\$39,350	\$27.04	\$56,230
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	50	\$24.59	\$51,140	\$22.62	\$47,060	\$25.57	\$53,180
43-5061	Production, Planning, and Expediting Clerks	N/A	\$17.12	\$35,600	\$10.01	\$20,820	\$20.67	\$42,990
43-5071	Shipping, Receiving, and Traffic Clerks	250	\$14.67	\$30,510	\$9.90	\$20,600	\$17.05	\$35,460
43-5081	Stock Clerks and Order Fillers	840	\$10.01	\$20,820	\$8.11	\$16,870	\$10.96	\$22,790
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	20	\$10.04	\$20,890	\$8.07	\$16,790	\$11.03	\$22,940
43-6011	Executive Secretaries and Administrative Assistants	200	\$19.16	\$39,850	\$13.14	\$27,330	\$22.17	\$46,110
43-6013	Medical Secretaries	30	\$14.54	\$30,230	\$13.36	\$27,790	\$15.12	\$31,450

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
43-6014	Secretaries, Except Legal, Medical, and Executive	1,470	\$12.69	\$26,400	\$9.41	\$19,570	\$14.33	\$29,820
43-9021	Data Entry Keyers	100	\$11.81	\$24,570	\$8.99	\$18,710	\$13.22	\$27,490
43-9041	Insurance Claims and Policy Processing Clerks	N/A	\$15.43	\$32,090	\$10.48	\$21,810	\$17.90	\$37,230
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	50	\$12.19	\$25,360	\$9.93	\$20,650	\$13.32	\$27,710
43-9061	Office Clerks, General	800	\$10.21	\$21,240	\$8.12	\$16,890	\$11.26	\$23,420
45-0000	Farming, Fishing, and Forestry Occupations	N/A	\$16.24	\$33,790	\$10.66	\$22,180	\$19.04	\$39,590
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	30	\$10.01	\$20,820	\$8.00	\$16,640	\$11.02	\$22,910
45-4011	Forest and Conservation Workers	20	\$17.28	\$35,940	\$13.25	\$27,550	\$19.29	\$40,130
45-4022	Logging Equipment Operators	50	\$17.14	\$35,640	\$12.98	\$26,990	\$19.22	\$39,970
47-0000	Construction and Extraction Occupations	2,100	\$15.87	\$33,010	\$10.64	\$22,130	\$18.49	\$38,450
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	220	\$24.61	\$51,190	\$15.89	\$33,060	\$28.97	\$60,260
47-2031	Carpenters	260	\$14.22	\$29,580	\$10.34	\$21,510	\$16.16	\$33,620
47-2061	Construction Laborers	310	\$12.06	\$25,090	\$8.88	\$18,470	\$13.65	\$28,400
47-2073	Operating Engineers and Other Construction Equipment Operators	110	\$16.49	\$34,310	\$12.49	\$25,980	\$18.49	\$38,470
47-2111	Electricians	240	\$18.96	\$39,440	\$12.79	\$26,600	\$22.05	\$45,860
47-2141	Painters, Construction and Maintenance	50	\$14.76	\$30,700	\$9.39	\$19,520	\$17.44	\$36,280
47-2151	Pipelayers	30	\$11.43	\$23,770	\$10.51	\$21,850	\$11.89	\$24,730
47-2152	Plumbers, Pipefitters, and Steamfitters	220	\$17.42	\$36,240	\$12.66	\$26,330	\$19.80	\$41,190
47-2221	Structural Iron and Steel Workers	30	\$12.44	\$25,880	\$10.31	\$21,450	\$13.51	\$28,100
47-3012	Helpers--Carpenters	20	\$10.94	\$22,750	\$9.37	\$19,480	\$11.72	\$24,390
47-3013	Helpers--Electricians	130	\$11.88	\$24,700	\$8.14	\$16,920	\$13.74	\$28,590
47-4011	Construction and Building Inspectors	20	\$16.75	\$34,830	\$12.22	\$25,410	\$19.01	\$39,550
47-4041	Hazardous Materials Removal Workers	40	\$12.90	\$26,840	\$10.61	\$22,070	\$14.05	\$29,220
47-4051	Highway Maintenance Workers	100	\$12.34	\$25,660	\$9.50	\$19,760	\$13.75	\$28,610

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SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
47-5071	Roustabouts, Oil and Gas	50	\$19.46	\$40,480	\$13.15	\$27,360	\$22.62	\$47,040
49-0000	Installation, Maintenance, and Repair Occupations	2,440	\$17.90	\$37,230	\$10.92	\$22,720	\$21.39	\$44,490
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	230	\$25.61	\$53,270	\$17.76	\$36,950	\$29.53	\$61,430
49-2011	Computer, Automated Teller, and Office Machine Repairers	40	\$17.28	\$35,940	\$13.79	\$28,680	\$19.02	\$39,570
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	50	\$29.08	\$60,480	\$22.41	\$46,610	\$32.41	\$67,420
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	60	\$14.30	\$29,730	\$9.51	\$19,790	\$16.69	\$34,710
49-2098	Security and Fire Alarm Systems Installers	10	\$13.70	\$28,500	\$10.60	\$22,050	\$15.25	\$31,730
49-3021	Automotive Body and Related Repairers	60	\$19.64	\$40,850	\$14.91	\$31,020	\$22.00	\$45,770
49-3022	Automotive Glass Installers and Repairers	50	\$14.76	\$30,710	\$12.78	\$26,570	\$15.76	\$32,770
49-3023	Automotive Service Technicians and Mechanics	250	\$15.83	\$32,930	\$10.36	\$21,560	\$18.57	\$38,610
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	90	\$15.95	\$33,170	\$12.46	\$25,920	\$17.69	\$36,790
49-3041	Farm Equipment Mechanics	10	\$18.34	\$38,140	\$13.28	\$27,630	\$20.86	\$43,390
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	70	\$16.16	\$33,610	\$12.90	\$26,840	\$17.78	\$36,990
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	10	\$12.02	\$25,000	\$8.50	\$17,680	\$13.78	\$28,670
49-3093	Tire Repairers and Changers	70	\$12.64	\$26,290	\$10.36	\$21,540	\$13.78	\$28,660
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	40	\$20.83	\$43,330	\$9.92	\$20,630	\$26.29	\$54,670
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	100	\$16.93	\$35,220	\$13.59	\$28,270	\$18.61	\$38,700
49-9041	Industrial Machinery Mechanics	70	\$22.50	\$46,790	\$15.41	\$32,050	\$26.04	\$54,170
49-9043	Maintenance Workers, Machinery	20	\$17.91	\$37,260	\$14.84	\$30,860	\$19.45	\$40,450
49-9051	Electrical Power-Line Installers and Repairers	100	\$25.90	\$53,860	\$20.21	\$42,030	\$28.74	\$59,780
49-9062	Medical Equipment Repairers	30	\$24.43	\$50,810	\$16.44	\$34,200	\$28.42	\$59,110
49-9071	Maintenance and Repair Workers, General	700	\$13.37	\$27,810	\$9.20	\$19,140	\$15.45	\$32,140
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	10	\$13.73	\$28,560	\$13.40	\$27,880	\$13.89	\$28,900
49-9098	Helpers--Installation, Maintenance, and Repair Workers	70	\$12.51	\$26,010	\$9.64	\$20,050	\$13.94	\$28,990

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			Hourly	Annual	Hourly	Annual	Hourly	Annual
51-0000	Production Occupations	2,730	\$15.09	\$31,390	\$8.76	\$18,210	\$18.26	\$37,980
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	150	\$23.91	\$49,720	\$11.15	\$23,190	\$30.29	\$62,990
51-2092	Team Assemblers	470	\$9.11	\$18,940	\$8.12	\$16,880	\$9.60	\$19,970
51-2099	Assemblers and Fabricators, All Other	N/A	\$10.69	\$22,230	\$8.13	\$16,920	\$11.96	\$24,890
51-3011	Bakers	40	\$9.81	\$20,410	\$8.14	\$16,930	\$10.65	\$22,150
51-3021	Butchers and Meat Cutters	60	\$12.29	\$25,570	\$9.34	\$19,430	\$13.77	\$28,640
51-3092	Food Batchmakers	80	\$15.02	\$31,240	\$12.15	\$25,280	\$16.45	\$34,220
51-4041	Machinists	10	\$18.17	\$37,790	\$13.30	\$27,670	\$20.60	\$42,850
51-4121	Welders, Cutters, Solderers, and Brazers	50	\$17.40	\$36,190	\$10.76	\$22,380	\$20.72	\$43,100
51-5112	Printing Press Operators	40	\$11.15	\$23,180	\$7.96	\$16,550	\$12.74	\$26,500
51-6011	Laundry and Dry-Cleaning Workers	130	\$9.43	\$19,610	\$8.11	\$16,870	\$10.09	\$20,980
51-6031	Sewing Machine Operators	N/A	\$11.62	\$24,160	\$8.54	\$17,770	\$13.16	\$27,360
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	40	\$13.88	\$28,860	\$9.66	\$20,090	\$15.98	\$33,250
51-8031	Water and Liquid Waste Treatment Plant and System Operators	50	\$13.76	\$28,610	\$9.33	\$19,410	\$15.97	\$33,210
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	N/A	\$16.22	\$33,740	\$12.68	\$26,370	\$18.00	\$37,430
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	70	\$17.57	\$36,540	\$11.20	\$23,300	\$20.75	\$43,160
51-9083	Ophthalmic Laboratory Technicians	N/A	\$10.80	\$22,470	\$9.12	\$18,980	\$11.65	\$24,220
51-9111	Packaging and Filling Machine Operators and Tenders	60	\$13.88	\$28,860	\$10.06	\$20,920	\$15.78	\$32,830
51-9122	Painters, Transportation Equipment	20	\$18.00	\$37,450	\$15.17	\$31,550	\$19.42	\$40,400
51-9151	Photographic Process Workers and Priocessing Machine Operators	20	\$9.76	\$20,310	\$8.07	\$16,790	\$10.61	\$22,070
51-9196	Paper Goods Machine Setters, Operators, and Tenders	190	\$15.89	\$33,050	\$12.77	\$26,560	\$17.45	\$36,290
51-9198	Helpers--Production Workers	70	\$11.93	\$24,820	\$8.54	\$17,770	\$13.63	\$28,340
53-0000	Transportation and Material Moving Occupations	3,930	\$12.81	\$26,640	\$8.11	\$16,870	\$15.15	\$31,520
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	50	\$19.48	\$40,520	\$12.99	\$27,020	\$22.72	\$47,270

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NOTE: Wage estimates are produced in cooperation with the U.S. Bureau of Labor Statistics. Totals may not add due to rounding and confidentiality suppressions.

SOC Code	SOC Title	Employment	Average Wage		Entry Level Wage		Experienced Wage	
			Hourly	Annual	Hourly	Annual	Hourly	Annual
53-1031	and Material-Moving Machine and Vehicle Operators	80	\$21.66	\$45,060	\$14.56	\$30,290	\$25.21	\$52,440
53-3022	Bus Drivers, School	260	\$8.23	\$17,120	\$8.19	\$17,020	\$8.25	\$17,160
53-3031	Driver/Sales Workers	170	\$14.42	\$29,980	\$8.09	\$16,820	\$17.58	\$36,560
53-3032	Truck Drivers, Heavy and Tractor-Trailer	870	\$16.47	\$34,270	\$10.48	\$21,800	\$19.47	\$40,500
53-3033	Truck Drivers, Light or Delivery Services	440	\$13.61	\$28,310	\$8.08	\$16,810	\$16.37	\$34,060
53-3041	Taxi Drivers and Chauffeurs	N/A	\$10.75	\$22,350	\$10.74	\$22,350	\$10.75	\$22,350
53-6031	Service Station Attendants	50	\$10.45	\$21,730	\$8.38	\$17,420	\$11.48	\$23,880
53-7051	Industrial Truck and Tractor Operators	230	\$13.41	\$27,900	\$9.54	\$19,840	\$15.35	\$31,920
53-7061	Cleaners of Vehicles and Equipment	N/A	\$10.15	\$21,120	\$7.96	\$16,560	\$11.25	\$23,400
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	1050	\$9.99	\$20,780	\$8.10	\$16,840	\$10.93	\$22,740
53-7063	Machine Feeders and Offbearers	N/A	\$10.51	\$21,850	\$8.21	\$17,090	\$11.65	\$24,230
53-7064	Packers and Packagers, Hand	90	\$8.82	\$18,350	\$8.05	\$16,740	\$9.21	\$19,150
53-7081	Refuse and Recyclable Material Collectors	120	\$11.65	\$24,220	\$9.08	\$18,890	\$12.93	\$26,890

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Technical Notes for OES Estimates

Scope of the survey

The Occupational Employment Statistics (OES) survey is a semiannual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments in the United States. OES data available from BLS include cross-industry occupational employment and wage estimates for the nation; over 500 areas, including states and the District of Columbia, metropolitan statistical areas (MSAs), metropolitan divisions, nonmetropolitan areas, and territories; national industry-specific estimates at the NAICS sector, 3-, 4-, and selected 5- and 6-digit industry levels; and national estimates by ownership across all industries and for schools and hospitals.

The OES survey is a cooperative effort between BLS and the State Workforce Agencies (SWAs). BLS funds the survey and provides the procedures and technical support, while the State Workforce Agencies collect most of the data. OES estimates are constructed from a sample of about 1.2 million establishments. Each year, forms are mailed to two semiannual panels of approximately 200,000 sampled establishments, one panel in May and the other in November. May 2012 estimates are based on responses from six semiannual panels collected over a 3-year period: May 2012, November 2011, May 2011, November 2010, May 2010, and November 2009. The overall national response rate for the six panels is 76.6 percent based on establishments and 72.9 percent based on employment. The unweighted employment of sampled establishments across all six semiannual panels represents approximately 59.3 percent of total national employment.

The occupational coding system

The OES survey categorizes workers into 821 detailed occupations based on the 2010 Office of

Management and Budget's Standard Occupational Classification (SOC) system. Together, these detailed occupations make up 22 of the 23 SOC major occupational groups. Major group 55, Military Specific Occupations, is not included. OES estimates for 2010 and 2011 were based on a hybrid structure of the 2000 and 2010 SOC systems. For more information about the hybrid structure, please see the Bureau of Labor Statistics website at www.bls.gov/oes/oes_ques.htm#qf9.

For more information about the SOC system, please see the BLS website at www.bls.gov/soc/.

The industry coding system

The 2012 OES estimates are the first estimates based on the 2012 North American Industry Classification System (NAICS). Previous OES estimates were based on the 2007 NAICS. For more information about NAICS, see the BLS website at www.bls.gov/bls/naics.htm.

The OES survey excludes the majority of the agricultural sector, with the exception of logging (NAICS 113310), support activities for crop production (NAICS 1151), and support activities for animal production (NAICS 1152). Private households (NAICS 814) also are excluded. OES federal government data include the U.S. Postal Service and the federal executive branch only. All other industries, including state and local government, are covered by the survey.

The OES survey covers all full- and part-time wage and salary workers in nonfarm industries. The survey does not include the self-employed, owners and partners in unincorporated firms, household workers, or unpaid family workers.

Survey sample

The OES survey draws its sample from state unemployment insurance (UI) files. Supplemental

sources are used for rail transportation (NAICS 4821) and Guam because they do not report to the UI program. The OES survey sample is stratified by metropolitan and nonmetropolitan area, industry, and size.

To provide the most occupational coverage, larger employers are more likely to be selected than smaller employers. An annual census is taken of the executive branch of the federal government, the U.S. Postal Service, and state government.

Concepts

Occupational employment is the estimate of total wage and salary employment in an occupation. The OES survey defines employment as the number of workers who can be classified as full- or part-time employees, including workers on paid vacations or other types of paid leave; workers on unpaid short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck.

Wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Base rate; cost-of-living allowances; guaranteed pay; hazardous-duty pay; incentive pay, including commissions and production bonuses; and tips are included. Excluded are overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost for supplementary benefits, and tuition reimbursements.

OES receives wage rate data for the federal government, the U.S. Postal Service, and some state governments. For the remaining establishments, the OES survey collects wage data in 12 intervals. For each occupation, respondents are asked to report the number of employees paid within specific wage intervals. The intervals are defined both as hourly rates and the corresponding annual

rates, where the annual rate for an occupation is calculated by multiplying the hourly wage rate by a typical work year of 2,080 hours. The responding establishments are instructed to report the hourly rate for part-time workers, and to report annual rates for occupations that are typically paid at an annual rate but do not work 2,080 hours per year, such as teachers, pilots, and flight attendants. Other workers, such as some entertainment workers, are paid hourly rates, but generally do not work 40 hours per week, year round. For these workers, only an hourly wage is reported.

Estimation methodology

The OES survey is designed to produce estimates by combining six panels of data collected over a 3-year period. Each OES panel includes approximately 200,000 establishments. The full six-panel sample of nearly 1.2 million establishments allows the production of estimates at detailed levels of geography, industry, and occupation.

Wage updating. Significant reductions in sampling errors are obtained by combining six panels of data, particularly for small geographic areas and occupations. Wages for the current panel need no adjustment. However, wages in the five previous panels need to be updated to the current panel's reference period.

The OES program uses the BLS Employment Cost Index (ECI) to adjust survey data from prior panels before combining them with the current panel's data. The wage updating procedure adjusts each detailed occupation's wage rate, as measured in the earlier panel, according to the average movement of its broader occupational division.

Imputation. About 23 percent of establishments do not respond for a given panel. A "nearest neighbor" hot deck imputation procedure is used to impute missing occupational employment totals. A variant of mean imputation is used to impute missing wage distributions.

Weighting and benchmarking. The sampled establishments are weighted to represent all establishments for the reference period. Weights are further adjusted by the ratio of employment totals (the average of November 2011 and May 2012 employment) from the BLS Quarterly Census of Employment and Wages to employment totals from the OES survey.

For more information

Answers to frequently asked questions about the OES data are available at http://www.bls.gov/oes/oes_ques.htm. Detailed technical information about the OES survey is available in our Survey Methods and Reliability Statement on the BLS website at http://www.bls.gov/oes/current/methods_statement.pdf.

Footnotes:

N/A not available (not released)

Wages for some occupations that do not generally work year-round, full time, are reported either as hourly wages or annual salaries depending on how they are typically paid.